

Applicant : Min Zhu
Appl. No. : 09/751,548
Examiner : Aaron Strange
Docket No. : 16440.4003

Amendments to the Claims

1.-18. (cancelled)

19. (currently amended) A scalable system for collaborative computing comprising:

a web zone for allowing a plurality of client computers to access the scalable system via a global-area network, the web zone having at least one web server;

a meeting zone for supporting an on-line conference among the plurality of client computers, the meeting zone having a meeting manager, a process manager, a plurality of ~~collaboration~~ collaborative servers, and a plurality of application servers, wherein:

the meeting manager is operable to manage the on-line conference in the meeting zone;

the process manager is operable to launch the collaborative servers;

each ~~collaboration~~ collaborative server is operable to host at least a portion of the on-line conference; and

each application server is operable to support at least one service for the on-line conference;

wherein the meeting manager is operable to receive a request to join the on-line conference from a client computer, and to select at least one of the ~~collaboration~~ collaborative servers and the application servers based on

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respective processing loads of the ~~collaboration~~ collaborative servers and the application servers, to determine whether a new collaborative server is needed to maintain a quality of service for the meeting zone, and to send a request to the process manager to launch the new collaborative server if the meeting manager determines that the new collaborative server is needed.

20. (currently amended) The scalable system of claim 19 wherein each ~~collaboration~~ collaborative server and each application server comprises a respective logical server.

21. (previously presented) The scalable system of claim 20 wherein the process manager is operable for monitoring each logical server.

22. (previously presented) The scalable system of claim 20 wherein the meeting zone comprises a zone manager for supporting communication among the logical servers.

23. (previously presented) The scalable system of claim 19 wherein the meeting manager is operable to maintain status information for the meeting zone.

24. (previously presented) The scalable system of claim 19 wherein the at least one service for the on-line conference comprises one of document viewing, file sharing, video, voice over IP, telephony, polling, chat, and application sharing.

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25. (currently amended) The scalable system of claim 19 wherein the meeting manager is operable to manage all the ~~collaboration~~ collaborative servers and the application servers in the meeting zone.

26. (previously presented) The scalable system of claim 19 wherein the meeting manager is operable to determine whether a predetermined number of authorized conference participants has been exceeded.

27. (currently amended) A method for collaborative computing in a scalable system having a web zone and a meeting zone, wherein the meeting zone has a meeting manager, a plurality of ~~collaboration~~ collaborative servers, and a plurality of application servers, the method comprising:

at a web zone allowing a plurality of client computers to access the scalable system via a global-area network;

at the meeting zone supporting an on-line conference among the plurality of client computers;

at the meeting zone receiving a request to join the on-line conference from a client computer; and

selecting at least one of the ~~collaboration~~ collaborative servers and the application servers based on respective processing loads of the ~~collaboration~~ collaborative servers and the application servers;

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at the meeting manager determining whether a new collaborative server is
needed to maintain a quality of service for the meeting zone; and
launching the new collaborative server if the meeting manager determines
that the new collaborative server is needed.

28. (previously presented) The method of claim 27 wherein supporting the on-line conference comprises hosting the on-line conference in the meeting zone.

29. (previously presented) The method of claim 27 wherein supporting the on-line conference comprises managing the on-line conference in the meeting zone.

30. (previously presented) The method of claim 27 wherein supporting the on-line conference comprises supporting at least one service for the on-line conference.

31. (previously presented) The method of claim 27 comprising maintaining status information for the meeting zone.

32. (previously presented) The method of claim 27 comprising determining whether a predetermined number of authorized conference participants has been exceeded.

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33. (new) The scalable system of claim 19 wherein each of the collaborative server is operable to send a traffic capacity of the respective collaborative server to the meeting manager.